

18 MARCH 2002

Safety



EXPLOSIVES SAFETY STANDARDS

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

NOTICE: This publication is available digitally on the 3rd Wing WWW site at: <http://infonet/irgs/3wg/3sptg/3cs/scs/scsp/pdl/index.htm>. If you lack access, contact your Publishing Distribution Office (PDO).

OPR: 3 WG/SE (TSgt Jeffery A. Glosser)
Supersedes AFM 91-201/Wg Sup 1, 4 November
1999

Certified by: 3 WG/SE (Lt Col George M. Henkel)

Pages: 6

Distribution: F

This publication does not apply to the US Air Force Reserve or Air National Guard units and members unless specified in the Support Agreement.

AFMAN 91-201, 18 October 2001, is supplemented as follows:

1.1.5. Always comply with the most restrictive guidance available (for example, Air Force Instructions, Air Force Technical Orders, local publications, and DoD directives).

2.2. Each unit with a mission that involves explosives will appoint an individual to act as the additional duty weapons safety representative (ADWSR). This individual should be knowledgeable in all aspects of the explosives operations of the unit and must be appointed, in writing, by the unit commander. Each unit will forward a copy of the appointment letter to 3 WG/SEW. The ADWSR must be trained by 3rd Wing Weapons Safety within 30 days of being appointed. This paragraph does not apply to those units whose missions are specifically exempted under the basic manual. See the basic manual, paragraph 2.36.

2.3.1. Coordinate instructions with the installation/wing safety office and any other involved organizations prior to implementation.

2.3.5. The 3 LG and 3 OG Quality Assurance personnel will ensure those local publications pertaining to explosives, explosives operations, and munitions support equipment are coordinated with wing weapons safety during the annual review process.

2.3.7. (Added) (3 WG). Pre-task safety briefings must be developed and given prior to the start of any explosive operation. This briefing will contain, as a minimum, the items listed in paragraphs 2.4.1, 2.4.2, 2.4.3, 2.4.4, and 2.4.6, basic manual. Emergency action safety briefings will be given to all casuals and visitors prior to entering a location or operation where explosives are present.

2.4.7. (Added) (3 WG). Procedures will be included to notify the Fire Alarm Communication Center (FACC) at 552-2801 anytime there is a change in the fire/hazard symbols and the Security Forces Law Enforcement (LE) desk at 552-3421 anytime the controlled item identification code (CIIC) changes.

2.4.8. (Added) (3 WG). Develop procedures to notify the FACC and LE desk prior to making any explosives movements involving HC/D 1.1 or 1.2 explosives. Permission must be granted prior to the movement.

2.5.3. Establish procedures to prohibit personnel, not essential to the operation, from entering explosives operations.

2.7.2. Aircraft with these munitions installed must be separated from visiting personnel by a physical barrier such as rope and stanchions.

2.7.5. All HC/D 1.1 and HC/D 1.2 munitions will be removed from the 12th Fighter Squadron ramp 2 hours prior to mass/public gatherings in Hangar 1. Integrated combat turns (ICT) will be rescheduled, delayed, or canceled during such events. The 19th Fighter Squadron ramp must have all HC/D 1.1 and HC/D 1.2 munitions removed when mass/public gathering involves the 19th Fighter Squadron ramp or areas/facilities within the clear zone of the ramp.

2.9. Fireworks and firework displays are prohibited on Elmendorf AFB. Coordinate contracted pyrotechnic displays with EOD and 3 WG/SEW. The requesting organization will ensure an ORM assessment is accomplished and approved by the wing commander prior to the event.

2.13. The only hunting allowed on Elmendorf AFB is archery. Contact 3 CES/CEVP (Wildlife, 552-2436) for maps of authorized hunting areas.

2.15.2. The 3rd Wing Plans and Readiness Office (3 WG/XPI) is the office of primary responsibility (OPR) for explosive safety training for exercise munitions. All organizations using these devices during exercises or any other activity must use trained individuals. Forward a list of trained individuals to 3 WG/XPI and 3 WG/SEW prior to each exercise or activity, indorsed by the Wing Exercise Evaluation Team Chief.

2.16. Training and Exercise Plans. This paragraph applies to all units, including tenant units and temporary duty (TDY) units, using 3rd Wing resources such as Camp Madbull.

2.21.1. The equipment operating/owners manual may suffice as a general safety guide. Establish written procedures to cover the requirements of this paragraph not adequately covered by the equipment manual.

2.24.2. If item technical data requires a greater evacuation distance, use the greater distance. When a conflict exists between AFMAN 91-201, Table 2.1, and item tech data, use the most restrictive guidance.

2.25.7.5. (Added) (3 WG). Units making deliveries of HC/D 1.1 or HC/D 1.2 munitions outside of the Munitions Storage Area will notify the FACC and the LE desk prior to making the movement and when the movement is complete.

2.25.7.6. (Added) (3 WG). The 12 FS, 19 FS, 90 FS, and Cope Thunder units. Anytime HC/D 1.1, 1.2, or 1.3 munitions are delivered on Elmendorf AFB for the purpose of uploading aircraft, the delivery unit will notify the 3 WG Maintenance Operations Center (MOC) by radio or telephone (hot line or 552-4775/4816). They must provide the hazard class division and any applicable chemical hazard symbols. In-Turn, the fighter squadron and Cope Thunder unit weapons expeditors will notify the MOC and provide the aircraft type, tail number, location, type of explosives, loaded or unloaded status. This information will be provided on a real time basis as the munitions upload/download operations occur. The MOC, upon notification, will immediately provide this information to the FACC (552-2801). Notification is also required when munitions are removed from sited locations. Report removal of munitions the same as above for delivery of explosives.

2.25.7.7. (Added) (3 WG). The 517 AS munitions delivery, upload, and download procedures are the same as paragraph 2.25.7.6, this supplement. The munitions upload and/or download supervisor will make the proper notifications to MOC.

2.25.7.8. (Added) (3 WG). Base Operations munitions delivery and upload/download procedures, and parking explosive cargo loaded aircraft procedures are the same as paragraph 2.25.7.6, this supplement. Base Operations will make notifications to the FACC for aircraft transporting explosives (not assigned an Air Mobility Command (AMC) mission number), as aircraft arrive and depart.

2.25.7.9. (Added) (3 WG). The 732 AMS munitions delivery and upload/download procedures, and parking explosive cargo loaded aircraft procedures are the same as paragraph 2.25.7.6, this supplement. The 732 AMS will make all required notifications to the FACC/ LE desk as required for all AMC controlled aircraft.

2.25.8.8. The 12 FS, 19 FS, 90 FS, Cope Thunder, 517 AS, and the 732 AMS are not required to post fire symbols or chemical hazard symbols on the ramp. However, procedures identified in paragraphs 2.25.7.6 through 2.25.7.9, this supplement, will be followed.

2.34.1.5. In some instances, explosives safety trained personnel assigned to the unit may meet this requirement. Contact 3 WG/SEW prior to the repair operation for verification.

2.35. Units with licensed locations will limit their operational stock to a 30-day supply. Acquire a courtesy storage agreement with 3 EMS/LGMWMS for storage of quantities exceeding the 30-day limit.

2.35.4. The 3 WG/SEW will provide the requesting organization with an AF Form 2047, *Explosives Facility License*, listing the proper coordinating agencies. It's the responsibility of the requesting organization to coordinate the AF Form 2047 through the agencies listed. Return the AF Form 2047 to 3 WG/SEW for approval after the unit commander signs the appropriate block and coordination is complete.

2.51. Personnel may wear flak vests and chemical warfare defense ensemble (CWDE) during explosives operations. Do not wear these items while working with exposed explosives. Do not add or remove clothing while working with explosives. Leave the immediate area, add or remove clothing, and ground yourself or equalize potential prior to continuing the operation.

2.52.1.3. Clean grounded tabletops as required. Do not perform explosives operations on grounded tables that require cleaning.

2.52.2. This paragraph also applies to static bus bars. The user will perform and document the visual inspection each quarter. Refer repairs to 3 CES Exterior Electric.

2.53. Grounding systems for cart lockers are considered equipment grounds. The user will inspect and test these systems in accordance with AFI 32-1065, *Grounding Systems*, Table 1, paragraphs 12a and 12b. Refer repairs to 3 CES Exterior Electric.

2.58.5. Cellular telephones and portable land mobile radios (LMR) may send out a locator signal as long as power is applied. A signal is also sent when changing radio frequencies (that is, from crash net to safety net). Maintain the following distances when operating radios (that is, keying or changing frequencies) or cellular telephones in the vicinity of electroexplosive devices (EED). **EXCEPTION:** Impulse cartridges in the back of a truck, and properly packed in metal containers, only require a 2-foot separation from the antenna.

2.58.5.1. (Added) (3 WG). Handheld radios 5 watts or less, 10-foot separation.

2.58.5.2. (Added) (3 WG). Handheld radios w/converta comm, 10-foot separation.

2.58.5.3. (Added) (3 WG). Handheld radio w/converta comm and amp, 11-foot separation.

2.58.5.4. (Added) (3 WG). Mobile radios, 15-foot separation.

2.58.5.5. (Added) (3 WG). All cellular phones, 10-foot separation.

2.68. Explosive movement routes are designated by 3 WG/SEW. (Call 552-6856 to request updated maps.) Every attempt will be made to use the primary route prior to using the alternate routes. Coordinate with the LE desk for access through the Post Road gate during other than normal open periods. Organizations moving munitions to/from licensed storage locations will make every effort to avoid high-density population areas such as the hospital, commissary, base exchange, schools and so forth.

2.71.2.1. Old style placards must be replaced prior to October 2002. Intermixing of old and new styles of Department of Transportation (DOT) placards on the same vehicle or transportation platform is prohibited. Old style placards are prohibited from use off the installation.

2.71.5.1. Vehicles requiring fuel will be refueled prior to loading explosives. Contact 3 WG/ SEW for guidance in situations where removing explosives from the vehicle creates a greater hazard than refueling the explosives loaded vehicle. An explosives loaded vehicle will not be refueled at base service stations.

2.74.13. Every effort will be made to receive inbound shipments during low traffic density periods (before or after normal duty hours). Explosives laden vehicles will not be allowed to collect at the inspection station. Traffic management office (TMO) will ensure vehicles are quickly inspected and escorted to the unloading point or the suspect vehicle holding area (as required) as soon as possible.

2.74.13.1. The inspection station is designated just outside the entrance to the Boniface Main Gate. (Call 552-6856 to request an update map.) Explosive loaded commercial vehicles will not be allowed to proceed beyond this point until properly inspected by TMO personnel. This inspection is performed using DD Form 626, *Notice of Costs Suspended and/or Disapproved*, and evaluates the serviceability of the vehicle.

2.74.13.5. If TMO determines the vehicle does not meet inspection criteria, immediately escort it to the Suspect Vehicle Holding Area. (Call 552-6856 to request an updated map.) The entrance is located to the right of the intersection of Vandenberg Avenue and 2nd Street. The vehicle will remain in the holding area until it's determined to be serviceable, or the munitions are cross-loaded to a serviceable vehicle. Vehicle maintenance will not be performed at the inspection station while munitions are present.

3.2.1. Personnel not related to explosives operations, that is, civilian family members, very important persons (VIP), and certain active duty military members, are not allowed to remain in explosives safety clear zones for extended periods of time, unless all munitions are removed from the area. Contact 3 WG/SEW for guidance for specific situations.

3.13.4. See WI 13-203, *Airfield and Air Traffic Control Procedures*, for specific requirements.

3.25.1. See WI 13-203 for specific requirements.

3.25.3. The following areas are available on Elmendorf AFB to load live munitions on combat aircraft:

LOCATION	NEW	HC/D	REMARKS
Blue Ramp Spots 1-29 See Note 3	136 lbs	HC/D 1.1	AIM series missiles only. See Note 1.
Gold Ramp Spots 1-18 See Note 3	136 lbs	HC/D 1.1	AIM series missiles only. See Note 1.
Taxiway G Spots 1-15	4,000 lbs	HC/D 1.1	See Note 2.
Taxiway G Spot 16	136 lbs	HC/D 1.1	AIM series missiles only.
Taxiway H Spots 1-11	4,000 lbs	HC/D 1.1	See Note 2.
Taxiway H Spot 12	136 lbs	HC/D 1.1	AIM series missiles only.
Taxiway F Spot 4	232 lbs	HC/D 1.1	AIM series missiles only.
Taxiway F Eight Bay Shelter	232 lbs	HC/D 1.1	AIM series missiles only.
Combat Alert Cells (CAC)	136 lbs	HC/D 1.1	AIM series missiles only/ limited to cells 1-3, 6-8. Chaff/Flare and HEI may be in aircraft in any cell.
Taxiway F Spots 5-11	3,000 lbs	HC/D 1.3	Chaff, Flare, 20MM TP, and Captive Air Training Missiles.

Hardstands A-1, A-2, A-4, A-5, A-6, A-8, A-10, A-11 K-12-16, A-17, A-21, , A-22, A-27, A-28, K-29 K-30, K-31, K-32, K-33 K-34, A-35, A-37, A-39	10,000 lbs	HC/D 1.3	517 AS and 732 AMS can use these hardstands to load/download defensive countermeasure munitions or to upload/download explosive cargo.
--	------------	----------	---

NOTE 1: All missiles (on or off trailers) will be positioned to the front of the aircraft parking spot and aligned perpendicular with the taxiway.

NOTE 2: One aircraft parking spot must remain clear of all explosives when loading live munitions (up to the maximum Net Explosive Weight of HC/D 1.1). A minimum distance of 175 feet separation must be maintained from explosives at one location to the next. This should prevent simultaneous detonations at multiple locations in the event of a catastrophic event. These separations may not prevent sympathetic detonations from occurring.

NOTE 3: The explosives limits for Blue and Gold Ramps are in the process of being increased. Contact 3 WG/SEW (552-6855/6856) for updated information.

NOTE 4: Contact 3 WG/SEW (552-6855/6856) for authorized missile configurations that meet the 136 lbs N.E.W criteria.

DOUGLAS M. FRASER, Brigadier General, USAF
Commander